Wholesale High quality China Galvalume Steel Coating Steel Coil

As a focus on the production of high-quality galvalume steel coating steel coil supplier in China, welcome to consult the price of wholesale galvalume steel coating steel coil.

Galvalume steel is a metallically coated steel product that has proven its superior performance as a corrosion resistant building material in extended field testing in a diverse range of environments. Galvalume steel coating steel coil supplier’s products are made by aluminum-zinc alloy with both sides continuous hot-dip process, the nominal coating including 55% aluminum, 43.4% zinc, 1.6% Silicon. Silicon is included in the coating alloy which is not to enhance the corrosion performance, but to provide good coating adhesion to the steel substrate when the product is roll-formed, drawn, or bent during fabrication.

High quality galvalume steel coating steel coil combines the excellent barrier corrosion protection of aluminum with the galvanic protection of zinc, about 3 times corrosion-resistance more than galvanized steel coil. The galvalume steel coating is unpainted but chemical surface treatment. Due to its versatility, ease of use, aesthetics and long-term performance, high quality galvalume steel coating steel coil are widely used in pre-engineered metal buildings, industrial roofing, and siding, air-conditioning equipment, building panels, wall panels, laundry appliances, and some other small home appliances. So wholesale galvalume steel coated steel coil is a good choice.

Galvalume Steel is carbon steel coated with aluminum-zinc alloy by a continuous hot-dip process. The nominal coating composition is 55% aluminum and 43.4% zinc and 1.6% silicon is included in the coating alloy. Which is added not to enhance the corrosion performance, but to provide good coating adhesion to the steel substrate when the product is roll-formed, drawn, or bent during fabrication.

The galvalume steel coating can last a long time, a coating that provides cut-edge protection along sheared edges, and therefore, a coating that offers excellent protection to the steel sheet. Although there are a few exceptions, for most applications in most types of environment, China galvalume steel coating steel coil is the preferred product when long-term resistance to atmospheric corrosion is desired. It outlasts a galvanized coating of comparable thickness and offers cut-edge Protection that is not available with Alu-Zinc coated sheet. This cut-edge protection means there is less rust-staining along sheared edges, at scratches, and other imperfections in the coating. Also, since the coating is so resistant to corrosion, it retains a very bright surface appearance when
exposed to most atmospheres. These attributes make galvalume steel sheet the preferred material for roofing.

**Application of Galvalume Steel Coating Steel Coil**
Galvalume steel coil is recommended when a high level of corrosion resistance is very important. Applications include pre-engineered metal buildings, industrial roofing and siding, air-conditioning equipment, building panels, electrical boxes, home laundry appliances, outdoor signs, playground equipment, small appliances, vending machines, and wall panels.

Galvalume steel coil can be used for applications that require good corrosion resistance at elevated temperatures. Whereas Galvanized sheet should not be used at temperatures of 500°F and higher, galvalume steel continues to perform exceptionally well at temperatures as high as 750°F. Higher temperature applications have been used, but the premature degradation of the coating may be experienced.

**Coating Thickness of Galvalume Steel Coating Steel Coil**
Coating thickness is an important factor in the effective application of galvalume steel. At present, the most common coating weight of China galvalume steel coating steel coil is AZ 150. Respectively. Details about the total requirements for these two designations are contained in ASTM Specification A792. In applications where formability is an important consideration, AZ 150 is recommended for maximum coating adhesion. Where corrosion resistance is the prime factor, AZ 150 is recommended.

**Surface Finish of Galvalume Steel Coating Steel Coil**
Galvalume steel coil as produced exhibits a small, spangled finish. This finish is termed, Regular Spangle. The spangle, or grain, size varies from very small to as large as about 3/8 inch in diameter. For many applications, this attractive, bright, faceted finish is desired. From a distance, the steel exhibits a uniform, reflective appearance. When the product is intended to be painted, it is often desirable to order an Extra Smooth finish. The process used to provide the Extra Smooth finish, temper rolling, imparts a smoother surface from the standpoint of surface relief; however, the surface develops a matte appearance and therefore, is less reflective than the spangled finish.

**Surface Treatment of Galvalume Steel Coating Steel Coil**
Galvalume steel coil can be specified with three variations of surface treatment: Chemical treatment, Oil, Dry.

1. **Chemical Treatment**: When a "Chemical treatment" is specified, a thin, relatively invisible, corrosion-inhibiting film is applied at the exit end of the coating line. This film is applied by spraying an aqueous solution of corrosion-inhibiting chemicals onto the sheet
surface. Excess solution is removed by squeegee rolls located after the application section. After the squeegee rolls, the strip enters into a small drying oven to remove the excess water. When galvalume steel coil is ordered with a chemical treatment, the coating is much more resistant to humid-storage staining than an untreated surface. The chemical treatment is particularly effective in deterring premature darkening and retaining the bright metallic luster of the galvalume coating for long periods after it is exposed to the atmosphere.

2. Oil: Instead of chemical treatment, galvalume steel can be ordered with "oil" to minimize the tendency for humid-storage stain. Galvalume steel coating steel coil supplier a thin coat of rust-preventive oil applied at the mill prevents staining in coils and lifts during transit and short-term high-humidity storage. Oil is not intended to delay darkening of the lustrous galvalume surface upon use. It is generally less effective than a chemical treatment to prevent humid-storage staining. Oil is very effective for preventing roll pickup in roll forming operations. The usual type of oil applied to galvalume is a "vanishing" oil. Vanishing oils contain solvents that evaporate when exposed to air. This helps to minimize problems associated with handling oiled sheets. The presence of oil on the sheet can cause the surface to be slippery. Caution should be exercised when handling or walking on the sheet.

3. Dry: Galvalume steel coil is shipped "dry" if neither chemical treatment nor oil is compatible with the customer's requirements. Untreated galvalume surfaces are very susceptible to humid-storage stain from moisture intrusion or condensation during shipment or storage. Galvalume steel that is ordered "dry" must be transported and stored with special precautions to preserve low-humidity conditions. Because galvalume steel that is chemically treated can be painted (this is not true for galvanized sheet except when special chemical treatments are applied on both the hot-dip coating line and the coil paint line), there is very little reason to order the product "dry". The tendency for "dry" product to develop storage staining is very high.

We offer wholesale galvalume steel coating steel coil service, welcome to consult galvalume steel coating steel coil price.